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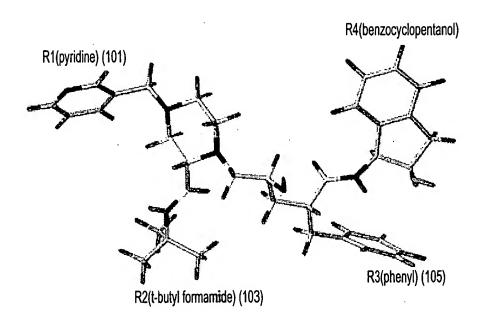


FIG. 1

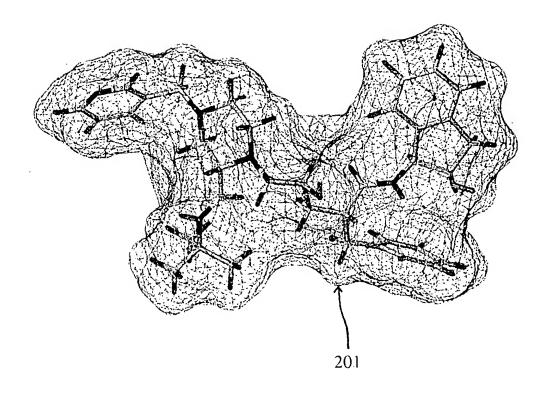


FIG. 2

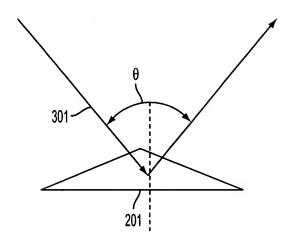


FIG. 3

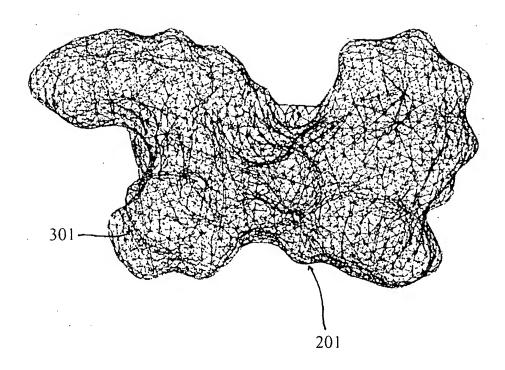


FIG. 4A

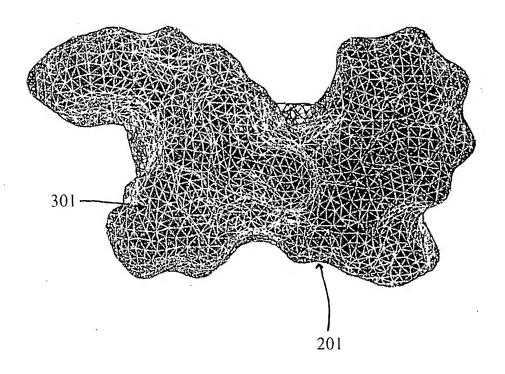


FIG. 4B

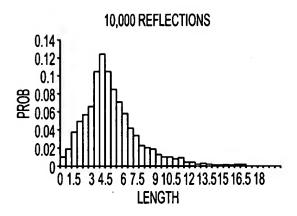


FIG. 5A

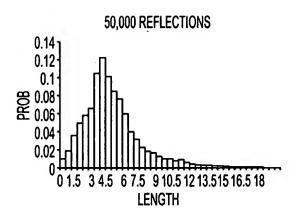


FIG. 5B

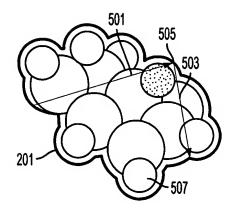


FIG. 6

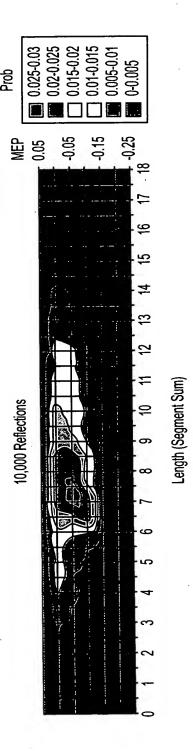


FIG. 7A

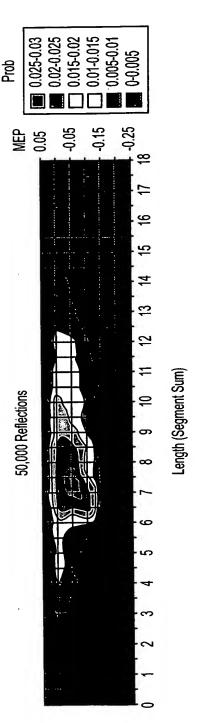


FIG. 7B

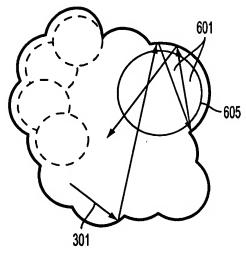


FIG. 8

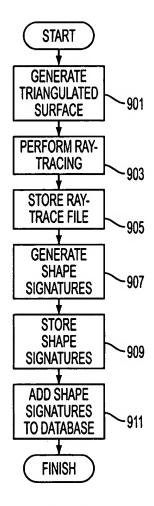
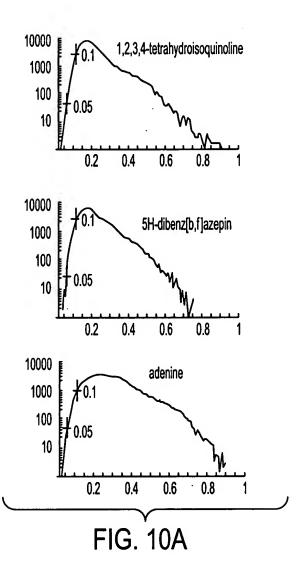
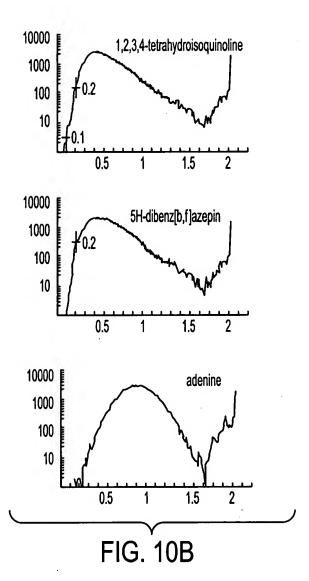
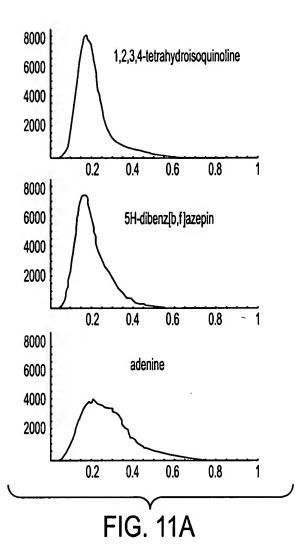
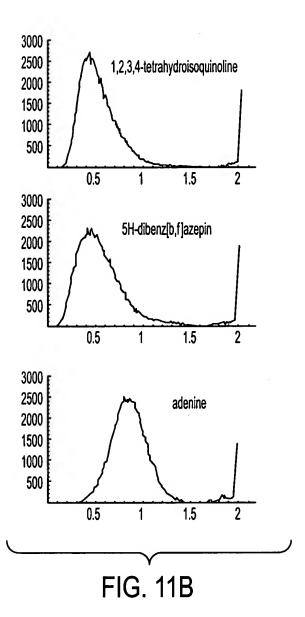


FIG. 9









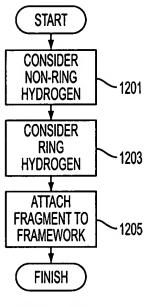


FIG. 12

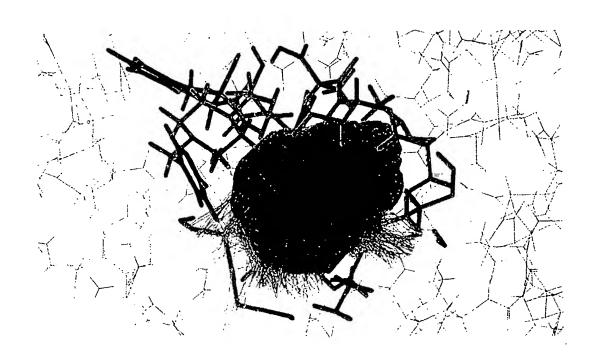


FIG. 13A

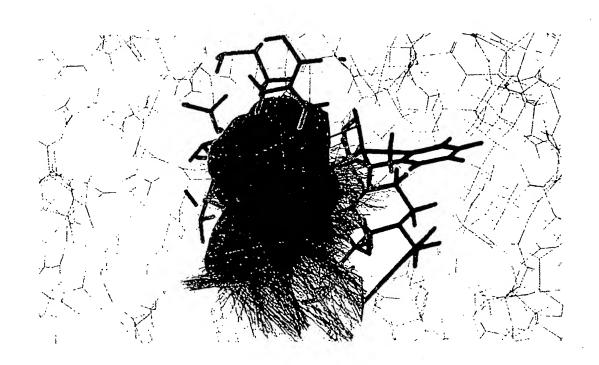


FIG. 13B

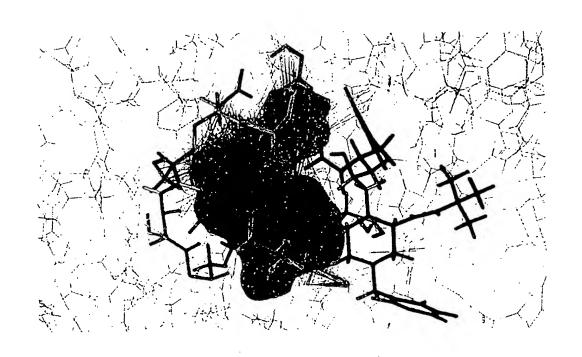


FIG. 13C

1,2,3,4-tetrahydroisoquinoline	oisoquinoline 1,2,3,4-tetrahydroquinoline isochroman 1,2,3,4-tetrahydronaphthalene chroman indoline		1,2,3,4-tetrahydroquinoline isochroman chroman 1,2,3,4-tetrahydronaphthalene indan	0.0173 0.0316 0.0399 0.0475 0.0525
5H-dibenz[b,f]azepin	dibenzocycloheptatriene dihydrophenanthrene thioxanthene dibenz[b,f]thiepin 5H-dibenzo[b,f]-1,4-diazepine	0.0351 0.0482 0.0578 0.0695 0.0800	dibenzocycloheptatriene dihydrophenanthrene thioxanthene 5H-dibenzo[b,f]-1,4diazepine dibenz[b,f]thiepin	0.0332 0.0384 0.0466 0.0487 0.0578
1,4,6-gonatriene-3,17-dione 4,6-gonadiene-3,17-dione 1,4-gonadien-3-one 4-gonen-3-one 1,3,5(10)-gonatriene 5(10)-gonen-3-one			4,6-gonadiene-3,17-dione 1,4-gonadien-3-one 4-gonen-3-one 1,3,5(10)-gonatriene 5(10)-gonen-3-one	0.0400 0.0660 0.0838 0.0862 0.0984
α-D-glucopyranose	$\begin{array}{c} \text{-glucopyranose} \\ \beta\text{-D-mannopyranose} \\ \beta\text{-D-galactopyranose} \\ \alpha\text{-D-mannopyranose} \\ \alpha\text{-D-galactopyranose} \\ \beta\text{-D-glucopyranose} \end{array}$		$\begin{array}{l} \alpha\text{-D-mannopyranose} \\ \beta\text{-D-mannopyranose} \\ \beta\text{-D-galactopyranose} \\ \alpha\text{-D-galactopyranose} \\ \beta\text{-D-glucopyranose} \end{array}$	0.0376 0.0379 0.0391 0.0560 0.0766
Lysine .	Arginine Methionine Palmitoleate(C16) glycerol(-H) Olcate(C18)	0.0862 0.1024 0.1163 0.1179 0.1202	Methionine Arginine Laurate(C12) Palmitoleate(C16) Myristate(C14)	0.0527 0.0821 0.0959 0.1004 0.1006
adenine	guanine 7H-purine cytosine uracil benzopyrimidine	0.0626 0.0712 0.0840 0.0854 0.0860	guanine 7H-purine benzimidazole 1H-indazole benzoxazole	0.0388 0.0701 0.0743 0.0747 0.0775

FIG. 14A

FIG. 14B

L₁ Metric

QUERY	Culling		No Culling		
	Hit	Score	Hit	Score	
1,2,3,4-tetrahydroisoquinoline	1,2,3,4-tetrahydroquinoline 1,2,3,4-tetrahydronaphthalene indoline acenaphthene indan	0.0847 0.1496 0.1732 0.1908 0.2161	1,2,3,4-tetrahydroquinoline 1,2,3,4-tetrahydronaphthalene indoline indan ace naphthene	0.0762 0.1307 0.1320 0.1554 0.1804	
5H-dibenz[b,f]azepin	dibenzocycloheptatriene acridan 5H-dibenzo[b,f]-1,4-diazepine 1,2,3,4-tetrahydroisoquinoline 1,2,3,4-tetrahydroquinoline	0.1116 0.2089 0.2109 0.2268 0.2292	dibenzocycloheptatriene acridan 5H-dibenzo[b,f]-1,4-diazepine phenanthridine dihydrophenanthrene	0.1031 0.1538 0.1672 0.1762 0.1802	
1,4,6-gonatriene-3,17-doine 4,6-gonadiene-3,17-dione 5a-gonane-3,17-dione 1,4-gonadien-3-one 5a-gonan-3-one 5a-gonan-17-one			4,6-gonadiene-3,17-dione 5a-gonane-3,17-dione 1,4-gonadien-3-one 4-gonen-3-one 5a-gonan-3-one	0.0852 0.1383 0.2097 0.2122 0.2221	
2-deoxy-β-D-ribofuranose	β-D-ribofuranose $β$ -D-glucopyranose $α$ -D-fructofuranose $α$ -D-galactopyranose $α$ -D-mannopyranose	0.2292 0.2368 0.2480 0.2616 0.2696	$\begin{array}{l} \beta\text{-D-glucopyranose} \\ \alpha\text{-D-fructofuranose} \\ \alpha\text{-D-mannopyranose} \\ \beta\text{-D-ribofuranose} \\ \alpha\text{-D-glucopyranose} \end{array}$	0.2223 0.2317 0.2437 0.2445 0.2575	
Lysine	Arginine ethanolamine choline D-Thrcose D-Xylose	0.6615 0.7882 1.2682 1.5332 1.5667	Arginine ethanolamine choline D-Thrcose D-Xylose	0.6617 0.7621 1.2442 1.4601 1.4912	
adenine	pteridine benzothiazole guanine 7H-purine indene	0.4025 0.4321 0.4394 0.4427 0.4614	benzothiazole pteridine thiazole 7H-purine guanine	0.3493 0.3816 0.3981 0.4254 0.4265	

FIG. 15

QUERY	L ₁ Metric		R ₁ Metric		
	Hit	Score	Hit	Score	
1,2,3,4-tetrahydroisoquinoline	91-21-4	0.0291	91-21-4	0.1153	
	10500-57-9	0.0336	10500-57-9	0.1409	
	529-35-1	0.0348	578-54-1	0.1428	
	578-54-1	0.0380	493-05-0	0.1534	
	24206-39-1	0.0397	529-35-1	0.1743	
5H-dibenz[b,f]azepin	833-48-7	0.0324	833-48-7	0.1404	
	1211-06-9	0.0360	1211-06-9	0.1673	
	10354-00-4	0.0415	10354-00-4	0.1789	
	82-53-1	0.0441	42263-75-2	0.2142	
	6279-16-9	0.0488	51087-02-6	0.2300	
1,4,6-gonatriene-3,17-dione	24640-00-4	0.0450	6126-58-5	0.2289	
	10448-96-1	0.0556	24640-00-4	0.2561	
	438-67-5	0.0570	6968-06-5	0.2672	
	5976-74-9	0.0576	20919-82-8	0.2908	
	6126-58-5	0.0584	3601-97-6	0.2963	
α-D-glucopyranose	488-66-4	0.0546	74561-03-8	0.2223	
	23559-36-6	0.0548	488-66-4	0.2548	
	74561-03-8	0.0553	488-64-2	0.2548	
	16505-91-2	0.0607	6623-68-3	0.2548	
	39392-65-9	0.0655	2037-48-1	0.2549	
Lysine	5329-79-3	0.0478	37149-01-2	0.1874	
	110-97-4	0.0486	6963-39-9	0.1882	
	5343-35-1	0.0552	110-97-4	0.2107	
	37149-01-2	0.0555	6281-43-2	0.2201	
	7356-00-5	0.0563	104-50-7	0.2224	
adenine	10325-61-8	0.0271	10325-61-8	0.0944	
	54346-27-9	0.0304	54346-27-9	0.0988	
	73-24-5	0.0310	5426-35-7	0.1178	
	1123-54-2	0.0343	73-24-5	0.1178	
	2227-98-7	0.0353	19165-47-0	0.1178	

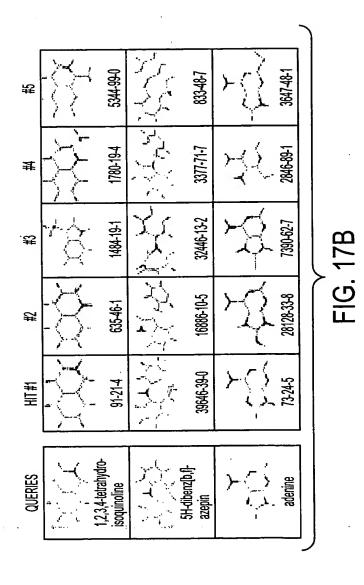
FIG. 16A

	_											
#		24206-39-1	*	6279-16-9		6126-58-5	\$ C	39382-65-9	4.1°	7356-00-5)\$.	2227-98-7
##	3/-	578-54-1	3 5-	82-53-1		5976-74-9	X	16505-91-2	A. Total	37149-01-2	H	1123-54-2
#3	茶	529-35-1	**	10354-00-4		438-67-5	34	74561-03-8	J	5343-35-1)	73-24-5
#5	数	10500-57-9	次	1211-06-9		10448-96-1		23559-36-6	, T	110-97-4	S.	54346-27-9
HIT#		91-21-4	字, 子	833-48-7		24640-00-4	3%	488-66-4	J.	5329-79-3	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	10325-61-8
!						,			-			
QUERIES		isoquinoline		5H-dibenz[b,t]- azepin))54 ()3	1,4,6-gonatnene- 3,17-dione		α-D-glucopyranose	T	Lysine	۲Ą	adenine

FIG. 16B

QUERY	L ₁ Metric		R ₁ Metric		
	Hit	Score	Hit	Score	
1,2,3,4-tetrahydroisoquinoline	91-21-4	0.0701	91-21-4	0.5232	
	635-46-1	0.0816	635-46-1	0.6553	
	1484-19-1	0.0940	1484-19-1	0.6977	
	1780-19-4	0.0983	5344-99-0	0.7295	
	5344-99-0	0.1011	1780-19-4	0.8070	
5H-dibenz[b,f]azepin	30646-39-0	0.0947	30646-39-0	0.8078	
	16886-10-5	0.1079	3377-71-7	0.9075	
	32446-13-2	0.1089	16886-10-5	0.9104	
	3377-71-7	0.1126	32446-13-2	0.9166	
	833-48-7	0.1167	833-48-7	0.9411	
1,4,6-gonatriene-3,17-dione	56763-86-1	0.1524	20056-05-7	1.3418	
	734-32-7	0.1645	56763-86-1	1.3451	
	93998-31-3	0.1682	74924-17-7	1.4169	
	20056-05-7	0.1693	734-32-7	1.4949	
	74924-17-7	0.1702	71837-43-9	1.5131	
α-D-glucopyranose	52019-14-4	0.1815	52019-14-4	1.4065	
	49871-87-6	0.1833	58691-27-3	1.4270	
	58691-27-3	0.1912	49871-87-6	1.4514	
	7404-25-3	0.2015	2280-44-6	1.5418	
	14215-77-1	0.2018	14215-77-1	1.5520	
Lysine	42021-74-9	0.5473	85385-47-3	4.1381	
	58048-33-2	0.5549	58048-33-2	4.2359	
	58048-35-4	0.5684	42021-74-9	4.2441	
	37082-52-3	0.5719	78582-26-0	4.3301	
	78582-26-0	0.5721	62194-88-1	4.3458	
adenine	73-24-5	0.0683	73-24-5	0.5048	
	28128-33-8	0.1537	28128-33-8	1.0824	
	7390-62-7	0.1581	7390-62-7	1.2106	
	2846-89-1	0.1744	2846-89-1	1.2491	
	3647-48-1	0.1820	1904-98-9	1.2947	

FIG. 17A



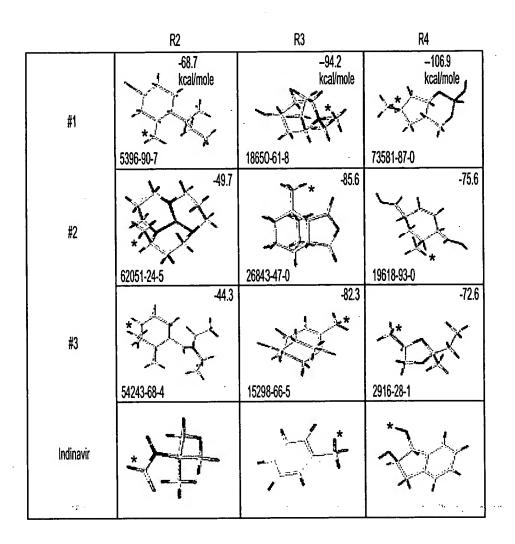


FIG. 18

	Rank E	nergy(kcal/mol	Structure
	#1	-117.3	2916-28-1 2090-14-4 18650-61-8
	#2	-117.0	73581-87-0 73581-87-0 5448-23-7 18650-61-8
	#3	-115.2	73581-87-0 5396-90-7 18650-61-8
2	Indinavir	-97.2	R1(pyridine) R4(benzocyclopentanol) R3(phenyl) R2(t-butyl formamide)

FIG. 19